



Fats and Oils: Oilseed Crashings, Production, Consumption and Stocks

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Highlights

January 2016 contained 31 days.

February 2016 contained 29 days.

March 2016 contained 31 days.

April 2016 contained 30 days.

Soybeans crushed for crude oil was 4.75 million tons (158 million bushels) in April 2016, compared to 4.99 million tons (166 million bushels) in March 2016 and 4.64 million tons (155 million bushels) in February 2016. Crude oil produced was 1.84 billion pounds down 5 percent from March 2016 but up 2 percent from February 2016. Soybean once refined oil production at 1.35 billion pounds during April 2016 decreased 4 percent from March 2016 but increased 4 percent from February 2016.

Canola seeds crushed for crude oil was 137 thousand tons in April 2016, compared to 150 thousand tons in March 2016 and 138 thousand tons in February 2016. Canola crude oil produced was 120 million pounds down 3 percent from March 2016 but up 5 percent from February 2016. Canola once refined oil production at 116 million pounds during April 2016 was down 6 percent from March 2016 and down slightly from February 2016. Cottonseeds crushed for crude oil was 132 thousand tons in April 2016, compared to 143 thousand tons in March 2016 and 126 thousand tons in February 2016. Cottonseed crude oil produced was 39.2 million pounds, down 13 percent from March 2016 but up 2 percent from February 2016. Cottonseed once refined oil production at 42.2 million pounds during April 2016 was down 20 percent from March 2016 and down 3 percent from February 2016.

Edible tallow production was 76.1 million pounds during April 2016, up 22 percent from March 2016 but down 2 percent from February 2016. Inedible tallow production was 288 million pounds during April 2016, up slightly from March 2016 and up 2 percent from February 2016. Technical tallow production was 84.6 million pounds during April 2016, down 9 percent from March 2016 and down 28 percent from February 2016. Choice white grease production at 111 million pounds during April 2016 decreased 1 percent from March 2016 and decreased 1 percent from February 2016.

Soybean Crushing, Production, Consumption and Stocks – United States: January 2016 - April 2016

Item	January 2016	February 2016	March 2016	April 2016
Crush				
Soybeans crushed tons	4,814,044	4,638,663	4,991,626	4,745,090
Crude oil produced..... 1,000 pounds	1,864,887	1,795,866	1,943,537	1,840,263
Cake and meal produced tons	3,539,791	3,425,236	3,677,248	3,502,911
For animal feed tons	3,476,488	3,366,159	3,613,239	3,445,720
For edible protein products..... tons	63,303	59,077	64,009	57,191
Millfeed produced..... tons	256,884	241,078	260,298	243,761
Refine				
Crude oil processed in refining 1,000 pounds	1,277,782	1,344,388	1,438,379	1,385,229
Once refined oil produced 1,000 pounds	1,236,602	1,306,085	1,404,133	1,352,235
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	107,789	116,869	89,374
Once refined oil removed for use in processing..... 1,000 pounds	1,283,248	1,336,284	1,404,906	1,359,441
Removed for edible use in processing..... 1,000 pounds	1,049,611	1,112,647	1,139,437	1,100,348
Removed for inedible use in processing 1,000 pounds	233,637	223,637	265,469	259,093
Stocks				
Cake and meal on hand end of month..... tons	368,063	330,057	302,672	365,653
Millfeed on hand end of month tons	42,235	32,295	35,426	46,616
Crude oil on hand end of month 1,000 pounds	1,724,459	1,880,210	1,956,599	2,048,554
Crusher..... 1,000 pounds	890,950	976,800	1,013,888	1,033,659
Refiner 1,000 pounds	341,226	371,273	420,583	450,938
Offsite 1,000 pounds	492,283	532,137	522,128	563,957
Once refined oil on hand end of month..... 1,000 pounds	386,338	399,967	368,327	371,464

(D) Withheld to avoid disclosing data for individual operations.

Soybean Crushing – Regional: January 2016 - April 2016

Region	Soybeans crushed			
	January 2016	February 2016	March 2016	April 2016
	(tons)	(tons)	(tons)	(tons)
Illinois	514,261	546,695	607,194	570,995
Iowa	1,064,253	1,039,470	1,115,334	998,221
North and East ¹	1,119,325	1,073,727	1,114,512	1,082,465
North Central ²	654,555	613,960	682,246	631,767
South, West and Pacific ³	670,757	619,304	678,267	660,708
West Central ⁴	790,893	745,507	794,073	800,934
Region	Crude oil produced			
	January 2016	February 2016	March 2016	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	201,801	212,594	243,082	224,439
Iowa	409,626	400,845	429,053	386,076
North and East ¹	428,442	412,264	429,941	418,968
North Central ²	258,811	245,853	268,005	247,599
South, West and Pacific ³	257,934	238,075	260,381	254,706
West Central ⁴	308,273	286,235	313,075	308,475
Region	Crude oil stocks at crusher			
	January 2016	February 2016	March 2016	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	126,799	155,453	201,541	208,033
Iowa	171,135	177,351	183,787	179,767
North and East ¹	226,634	268,007	252,746	274,473
North Central ²	247,460	264,508	267,241	259,541
South, West and Pacific ³	60,469	57,244	55,520	52,478
West Central ⁴	58,453	54,237	53,053	59,367
Region	Cake and meal produced			
	January 2016	February 2016	March 2016	April 2016
	(tons)	(tons)	(tons)	(tons)
Illinois	366,355	398,369	436,932	411,628
Iowa	787,211	769,939	828,610	744,246
North and East ¹	822,623	791,416	818,269	798,843
North Central ²	488,800	456,642	506,058	466,200
South, West and Pacific ³	487,459	451,372	498,229	483,795
West Central ⁴	587,343	557,498	589,150	598,199
Region	Cake and meal stocks			
	January 2016	February 2016	March 2016	April 2016
	(tons)	(tons)	(tons)	(tons)
Illinois	61,419	56,703	43,670	53,514
Iowa	69,767	65,265	61,790	75,985
North and East ¹	99,828	84,293	57,727	86,303
North Central ²	46,726	33,701	25,074	42,366
South, West and Pacific ³	39,001	30,537	71,019	58,201
West Central ⁴	51,322	59,558	43,392	49,284

¹ North and East includes Indiana, Kentucky, Maryland, Ohio, Pennsylvania and Virginia.

² North Central includes Michigan, Minnesota, North Dakota and South Dakota.

³ South, West, and Pacific includes Alabama, Arkansas, California, Georgia, Louisiana, North Carolina and South Carolina.

⁴ West Central includes Kansas, Missouri and Nebraska.

**Selected Oilseed Crushing, Production, Consumption and Stocks – United States:
January 2016 - April 2016**

Item	January 2016	February 2016	March 2016	April 2016
Canola				
Crush				
Seeds crushed..... tons	148,424	137,631	149,882	137,120
Crude oil produced..... 1,000 pounds	126,109	114,443	123,498	119,826
Cake and meal produced..... tons	82,050	76,448	84,758	79,349
Refine				
Crude oil processed in refining..... 1,000 pounds	130,855	117,491	125,623	119,360
Once refined oil produced..... 1,000 pounds	123,760	116,149	122,722	115,695
Consumption				
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	117,275	125,700	142,659	129,004
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month..... tons	(D)	(D)	(D)	53,730
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	78,205	80,162	79,337	75,588
Cottonseed				
Crush				
Seeds crushed..... tons	131,639	125,631	142,679	132,306
Crude oil produced..... 1,000 pounds	41,430	38,433	45,265	39,194
Cake and meal produced..... tons	65,905	57,608	68,728	61,060
Refine				
Crude oil processed in refining..... 1,000 pounds	46,077	44,088	53,409	42,810
Once refined oil produced..... 1,000 pounds	45,555	43,445	52,772	42,199
Consumption				
Crude oil removed for inedible use in processing..... 1,000 pounds	-	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	45,270	51,081	55,817	55,278
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month..... tons	43,756	35,916	42,423	46,960
Crude oil on hand end of month..... 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month..... 1,000 pounds	51,087	47,302	53,985	48,199
Coconut				
Refine				
Crude oil processed in refining..... 1,000 pounds	20,787	28,024	29,308	21,186
Once refined oil produced..... 1,000 pounds	20,613	27,692	29,067	21,019
Consumption				
Crude oil removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing..... 1,000 pounds	52,177	51,803	65,377	54,272
Removed for edible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month..... 1,000 pounds	85,607	74,844	55,739	64,636
Once refined oil on hand end of month..... 1,000 pounds	29,325	24,919	25,969	25,980
Corn				
Refine				
Crude oil processed in refining..... 1,000 pounds	(S)	(S)	(S)	(S)
Once refined oil produced..... 1,000 pounds	(S)	(S)	(S)	(S)
Consumption				
Crude oil removed for inedible use in processing..... 1,000 pounds	(S)	(S)	(S)	(S)
Once refined oil removed for use in processing..... 1,000 pounds	(S)	(S)	(S)	(S)
Removed for edible use in processing..... 1,000 pounds	(S)	(S)	(S)	(S)
Removed for inedible use in processing..... 1,000 pounds	(S)	(S)	(S)	(S)
Stocks				
Crude oil on hand end of month..... 1,000 pounds	(S)	(S)	(S)	(S)
Once refined oil on hand end of month..... 1,000 pounds	(S)	(S)	(S)	(S)

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States:
January 2016 - April 2016 (continued)

Item	January 2016	February 2016	March 2016	April 2016
Olives				
Crush				
Crushed for oil tons	-	-	-	-
Virgin oil produced 1,000 pounds	-	-	-	-
Refine				
Refined oil produced 1,000 pounds	(D)	(D)	(D)	(D)
Consumption				
Refined oil removed for use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	(D)	(D)	-	(D)
Stocks				
Virgin oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Refined oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Palm kernel				
Consumption				
Once refined oil removed for use in processing 1,000 pounds	47,380	45,621	50,983	41,492
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Once refined oil on hand end of month 1,000 pounds	132,027	127,179	116,166	111,046
Palm				
Consumption				
Once refined oil removed for use in processing 1,000 pounds	159,978	163,186	190,378	162,731
Removed for edible use in processing 1,000 pounds	141,461	156,545	180,620	155,481
Removed for inedible use in processing 1,000 pounds	18,517	6,641	9,758	7,250
Stocks				
Once refined oil on hand end of month 1,000 pounds	498,710	485,005	452,989	448,856
Peanut				
Refine				
Crude oil processed in refining 1,000 pounds	(D)	16,988	(D)	20,359
Once refined oil produced 1,000 pounds	(D)	15,943	(D)	18,179
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	-	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	(D)	13,589	17,471	19,190
Removed for edible use in processing 1,000 pounds	(D)	13,589	(D)	(D)
Removed for inedible use in processing 1,000 pounds	(D)	-	(D)	(D)
Stocks				
Crude oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Sunflower				
Refine				
Crude oil processed in refining 1,000 pounds	31,581	40,410	49,706	40,123
Once refined oil produced 1,000 pounds	30,134	38,334	47,177	38,199
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	29,391	45,685	48,399	43,392
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month 1,000 pounds	61,465	53,347	41,368	68,877
Once refined oil on hand end of month 1,000 pounds	50,523	35,537	41,947	51,510
Vegetable foots, raw and acidulated				
Refine				
Oil produced 1,000 pounds	25,284	25,020	29,491	28,232
Consumption				
Oil removed for inedible use in processing 1,000 pounds	22,150	(D)	26,587	24,608
Stocks				
Oil on hand end of month 1,000 pounds	11,375	12,123	10,221	11,102

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Animal Fats and Oils Production, Consumption and Stocks – United States: January 2016 - April 2016

Item	January 2016	February 2016	March 2016	April 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Choice white grease				
Production.....	111,920	111,901	112,681	111,103
Removed for inedible use.....	111,080	110,190	110,810	111,044
Stocks on hand end of month.....	10,395	11,793	11,811	11,969
Fatty acids				
Production.....	(S)	(S)	(S)	(S)
Stocks on hand end of month.....	(S)	(S)	(S)	(S)
Feather meal				
Production.....	93,070	98,228	96,025	94,072
Stocks on hand end of month.....	18,277	16,862	16,192	19,795
Glycerin, crude				
Production.....	(S)	(S)	(S)	(S)
Processed in refining.....	(S)	(S)	(S)	(S)
Stocks on hand end of month.....	(S)	(S)	(S)	(S)
Glycerin, refined				
Production.....	(S)	(S)	(S)	(S)
Stocks on hand end of month.....	(S)	(S)	(S)	(S)
Lard				
Production.....	28,209	35,325	26,542	26,593
Removed for use in processing.....	31,140	35,556	26,673	27,066
Removed for edible use in processing.....	(D)	(D)	(D)	(D)
Removed for inedible use in processing.....	(D)	(D)	(D)	(D)
Stocks on hand end of month.....	9,791	10,472	11,498	12,416
Meat meal, meat and bone meal, and dry rendered tankage				
Production.....	474,699	499,035	495,307	466,484
Stocks on hand end of month.....	54,360	45,642	45,464	43,428
Other grease				
Production.....	54,109	51,305	58,085	55,946
Removed for inedible use in processing.....	57,431	52,925	56,198	56,683
Stocks on hand end of month.....	(D)	(D)	(D)	(D)
Poultry fats				
Production.....	197,011	206,596	207,255	198,257
Removed for inedible use in processing.....	194,904	210,263	206,182	196,734
Stocks on hand end of month.....	21,459	17,594	19,844	21,347
Poultry by-product meals				
Production.....	245,249	260,162	250,708	246,507
Stocks on hand end of month.....	46,977	43,408	42,813	50,498
Tallow, edible				
Production.....	88,857	77,272	62,600	76,064
Removed for use in processing.....	93,843	76,987	64,704	76,078
Removed for edible use in processing.....	90,636	(D)	(D)	(D)
Removed for inedible use in processing.....	3,207	(D)	(D)	(D)
Stocks on hand end of month.....	12,969	15,634	14,674	16,214
Tallow, inedible				
Production.....	276,798	281,275	287,102	287,794
Removed for inedible use in processing.....	272,649	284,736	292,582	293,877
Stocks on hand end of month.....	87,804	84,676	81,601	76,974
Tallow, technical				
Production.....	91,109	118,065	92,732	84,550
Removed for inedible use in processing.....	99,877	126,167	104,112	92,387
Stocks on hand end of month.....	15,428	12,946	13,189	12,408
Yellow grease				
Production.....	147,716	160,255	194,203	167,131
Removed for inedible use in processing.....	164,031	155,555	181,581	171,350
Stocks on hand end of month.....	74,152	80,905	92,854	86,614

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Statistical Methodology

Survey Procedures: *Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks* is part of the Current Agricultural Industrial Reports (CAIR) program. CAIR reports are administered under NASS's Census of Agriculture program. Response to CAIR surveys are required by law (Title 7, U.S. Code). Animal and vegetable fats and oils data are collected from all known facilities that crush, refine or render. Crushing facilities include processors that use either solvent extraction or continuous screw press.

The census universe was determined during operation profile interviews which were completed for each potential facility to identify the presence of rendering, oilseeds crushing, and crude oil refining in 2014.

In the Animal and Vegetable Fats and Oils survey questionnaire, facilities are asked for previous calendar month data on oilseed crushing, crude oil production, once refined oil production, rendering production, and end of month stocks. Facilities are mailed questionnaires with the options of completing the survey by mail or by Electronic Data Reporting (EDR). For surveys not received in a reasonable amount of time, telephone follow-up is conducted.

Estimating Procedures: Imputation is done for operations with non-response by using historical data and current data relationships. Data for reporting firms are added to estimates for non-reporting firms to obtain National totals.

Revision Policy: Data are revised the following month based on late reports or corrected data. Final figures are published in the annual summary of the following year.

Reliability: Survey data are based on a census of all known facilities and therefore, have no sampling variability. Monthly data can vary due to different firms reporting month to month. Survey data are also subject to non-sampling errors such as omissions and mistakes in reporting and in processing the data. While these errors cannot be measured directly, they are minimized by carefully reviewing all reported data for consistency and reasonableness.

Information Contacts

Listed below are the commodity statisticians in the Environmental, Economics, and Demographics Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov.

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Stephanie Brennan – Field Crops Chemical Use	(202) 690-0392
Natasha Bruton – Current Agricultural Industrial Reports.....	(202) 720-7644
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Virginia Harris – Census of Agriculture.....	(502) 582-5293
Megan Lipke – Census of Agriculture	(202) 720-5881
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